

Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1. (Cancelled)

2. (Previously Presented) Sprayer for spraying liquids, comprising a carrier liquid tank, a carrier liquid pump, a plurality of spraying nozzles and associated nozzle holders connecting the spraying nozzles to a carrier liquid line, at least one active ingredient tank and several metering pumps for delivering active ingredients connectable to the active ingredient tank, wherein there is at least one metering pump on each nozzle holder which is associated with and in flow connection with the nozzle holder.

3. (Previously Presented) Sprayer according to claim 2, further comprising a mixing chamber on each nozzle holder.

4. (Previously Presented) Sprayer according to claim 2, further comprising a control unit which calculates the active ingredient quantity to be metered in, in control pulses, the metering pumps having a clearly defined delivery for each working stroke and being driven corresponding to the control pulses.

5. (Previously Presented) Sprayer according to claim 4, wherein the control unit determines the number of control pulses as a function of a predetermined set value for an active substance concentration and a carrier liquid quantity instantaneously delivered by the carrier liquid pump.

6. (Previously Presented) Sprayer according to claim 4, wherein the metering pumps can be driven by hydraulic pulses.

7. (Currently Amended) Sprayer for spraying liquids, having a carrier liquid tank, a carrier liquid pump, several spraying nozzles, at least one active ingredient tank and at least one metering pump connectable by at least one active ingredient supply line to the active ingredient tank, comprising a compressed air connection on the active ingredient supply line remote from the active ingredient tank, arranged so that during return operation, active ingredient can be forced by compressed air from the active ingredient supply line back into the active ingredient tank, and a vacuum connection on the active ingredient supply line remote from the active ingredient tank arranged so that during forward feed operation, active ingredient can be fed by a vacuum from the active ingredient tank into the active ingredient supply line and to the nozzles.

8. (Previously Presented) Sprayer according to claim 7, further comprising several nozzle holders with metering pumps connected in series to the active ingredient supply line, wherein the compressed air connection is provided downstream of a final metering pump in the active ingredient supply direction.

9. (Previously Presented) Sprayer according to claim 8, further comprising several nozzle holders arranged in respective partial widths and with each partial width is associated a partial width active ingredient supply line, with in each case one compressed air connection.

10. (Currently Amended) Sprayer Nozzle holder for a sprayer according to claim 8, wherein each of the nozzle holders includes 7, comprising a mixing chamber.

11. (Cancelled)

12. (New) Sprayer according to claim 8, further comprising a float valve connected to the final metering pump.